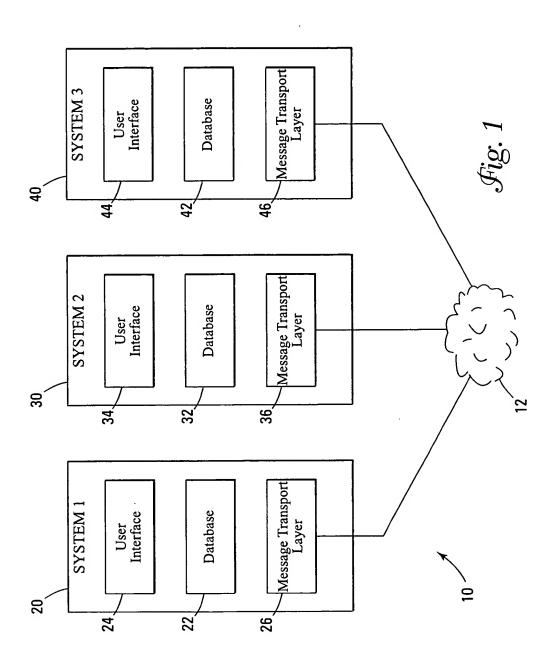
Matter No.: 15609-013001

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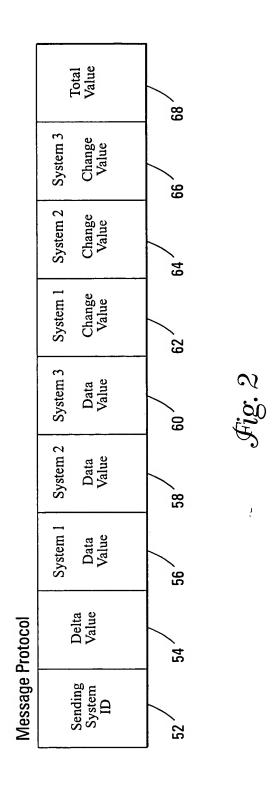
UPDATING DATA IN A MULTI-SYSTEM NETWORK THAT

UTILIZES ASYNCHRONOUS MESSAGE TRANSFER



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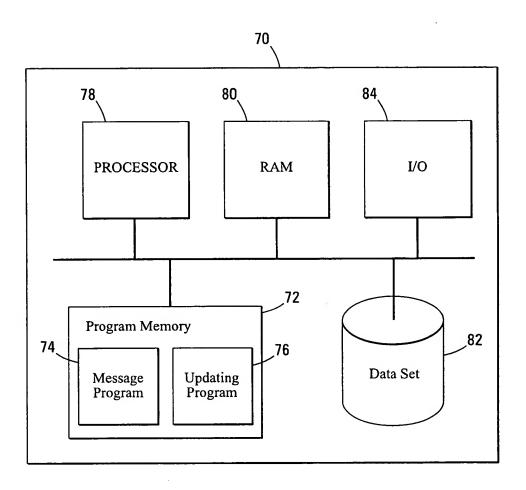
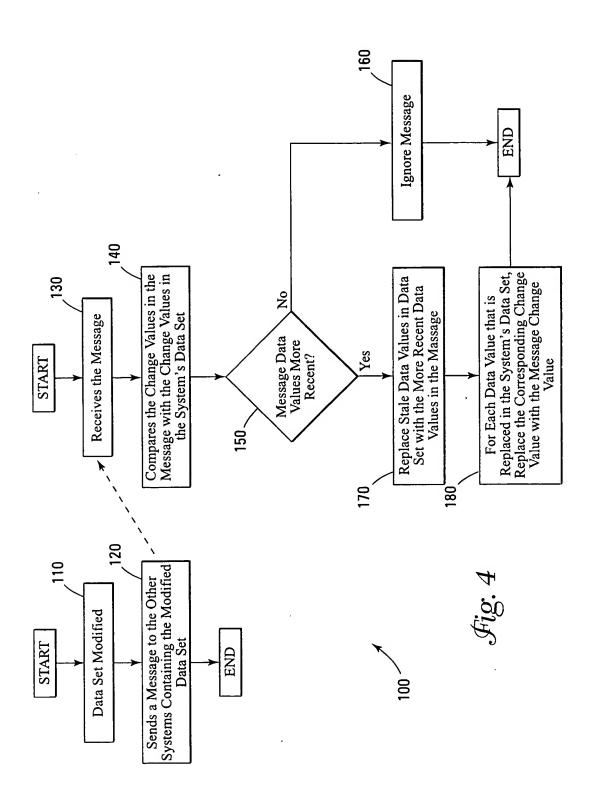


Fig. 3

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	m 3	, 0, 0] 0					[0, 0, 1]2		(0, 0)[2, 1, 0]	2) [2, 1, 1] 5			0) [1, 0, 0]	Message					2, 1, 1] 5
206	System 3	(0, 0, 0) [0, 0, 0] 0					+2 (0, 0, 2) [0, 0, 1] 2		Rec. T6: (7, -4, 0) [2, 1, 0]	Update (7, -4, 2) [2, 1, 1] 5			Rec T1 (3, 0, 0) [1, 0, 0]	Ignore T1 Message					(7, 4, 2) [2, 1, 1] 5
204	System 2	(0, 0, 0) [0, 0, 0] 0			Rec. T2: (7, 0, 0) [2, 0, 0]	Update (7, 0, 0) [2, 0, 0] 7		-4 (7, -4, 0) [2, 1, 0] 3									Rec. T5 (0, 0, 2) [0, 0, 1]	Update (7, -4, 2) [2, 1, 1] 5	(74. 2) [2. 1. 1] 5
202	System 1	(0, 0, 0) [0, 0, 0] 0	+3 (3, 0, 0) [1, 0, 0] 3	+4 (7, 0, 0) [2, 0, 0] 7							Rec. T5 (0, 0, 2) [0, 0, 1]	Update (7, 0, 2) [2, 0, 1] 9			Rec. T6 (7, -4, 0) [2, 1, 0]	Update (7, -4, 2) [2, 1, 1] 5			(74. 2) (2. 1. 11 5
	Time	0	1	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	End